FIG. 1

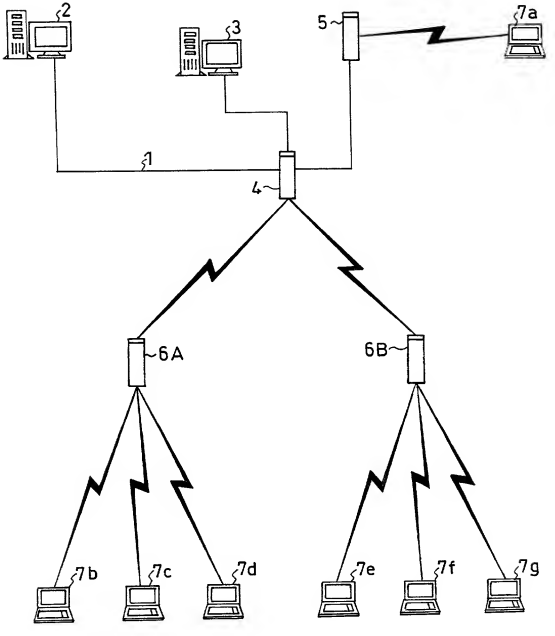

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FIG. 2

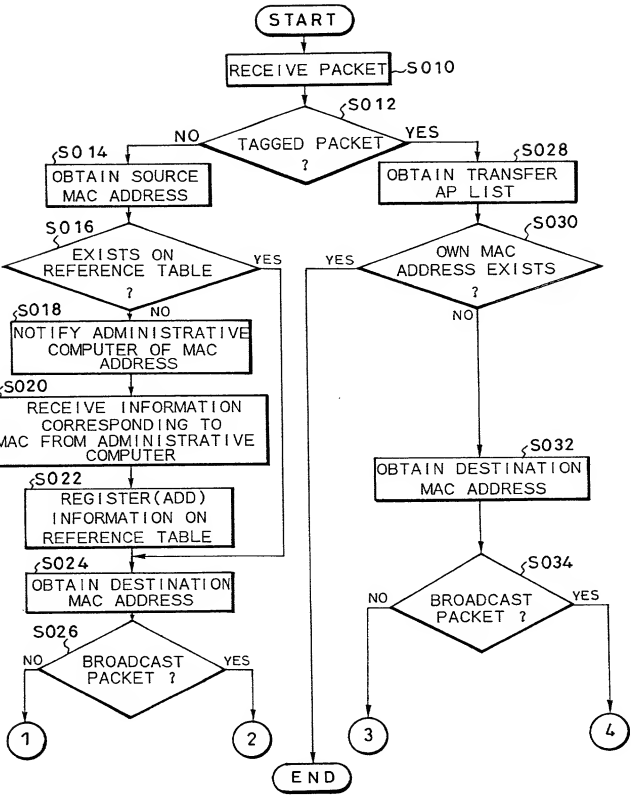

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FIG. 3

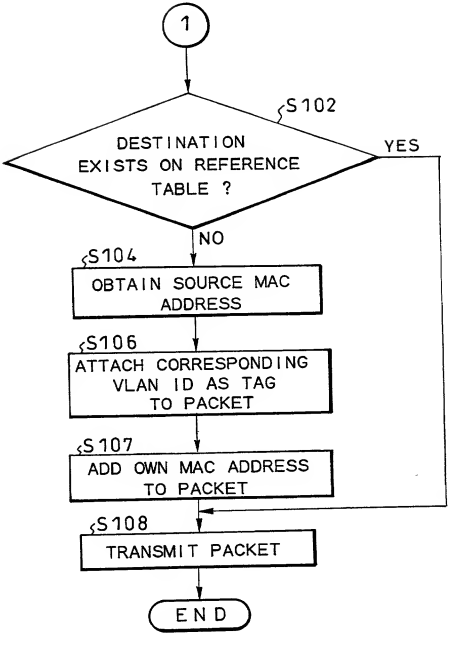
1
S102
DESTINATION EXISTS ON REFERENCE TABLE ?
YES
NO
S104
OBTAIN SOURCE MAC ADDRESS
S106
ATTACH CORRESPONDING VLAN ID AS TAG TO PACKET
S107
ADD OWN MAC ADDRESS TO PACKET
S108
TRANSMIT PACKET
END

FIG. 4

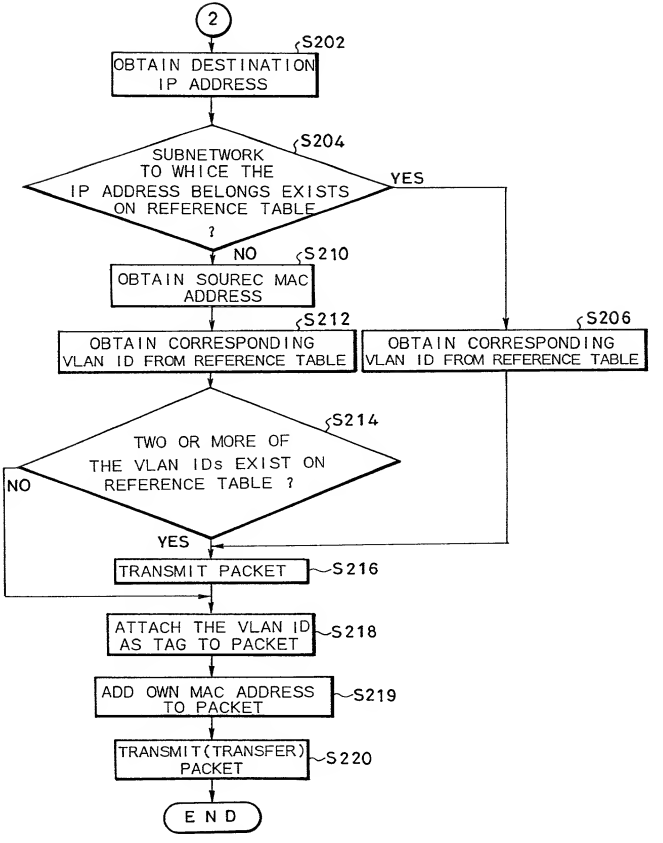

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FIG. 5

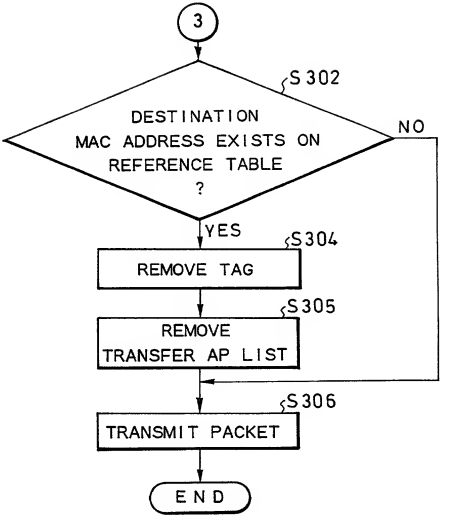
3
S302
DESTINATION MAC ADDRESS EXISTS ON REFERENCE TABLE ?
NO
YES
S304
REMOVE TAG
S305
REMOVE TRANSFER AP LIST
S306
TRANSMIT PACKET
END

FIG. 6

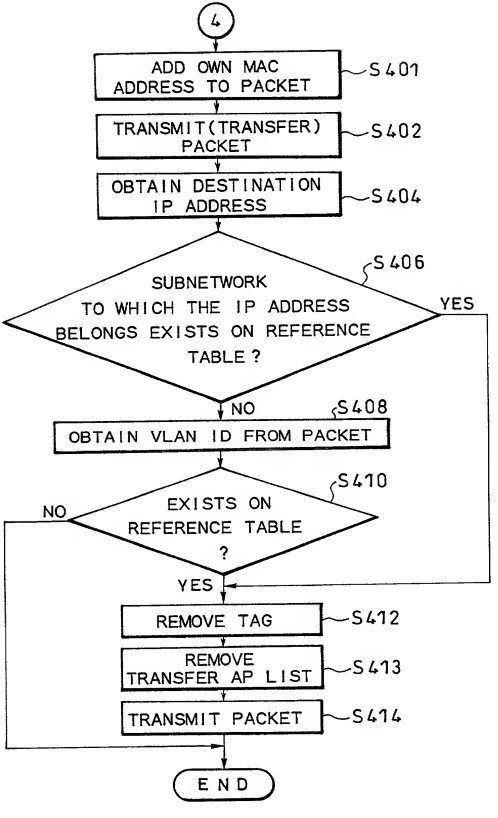

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FIG.7(A)

VLAN GROUP	MAC ADDRESS
VLAN1	xxxx1

FIG.7(B)

VLAN GROUP	MAC ADDRESS
VLAN1	xxxx2
	xxxx3
VLAN2	xxxx4

FIG.7(C)

VLAN GROUP	MAC ADDRESS
VLAN2	xxxx5
VLAN3	xxxx6
	xxxx7

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FIG.8

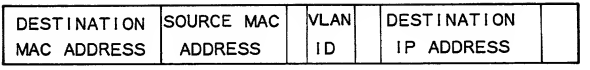

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FIG.9

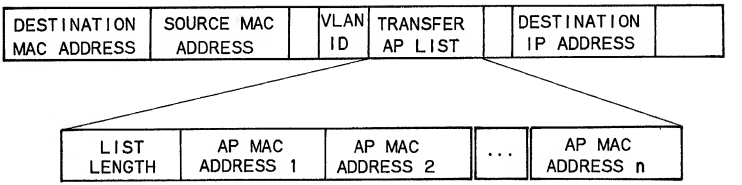

FIG. 10

MAC ADDRESS	VLAN IP	IP ADDRESS	SUBNET MASK
00-11-22-33-44-55	17	192.168.17.32	255.255.255.0
11-22-33-44-55-66	23	192.168.23.32	255.255.255.0
⋮	⋮	⋮	⋮

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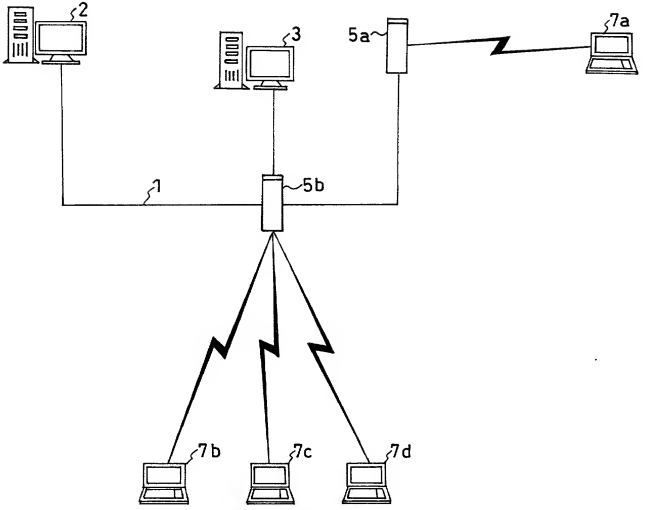
FIG.11



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